SBR-no/13/17-18

# Original/Duplicate/Triplicate
# CONTRACT CERTIFICATE

No. ***Second & Final Bill*** (For Other Works) Date 28/04/2017

Division: **BBMP, Byataranyanapura** Sub-Division: **BBMP, Vidyaranyapura**

Bill Received No. 35 Dated 28/4/17 Divisional / Sub Divisional Cash Book Voucher No…….. Dated…….

Schedule Docket No. Head of Account: **P-0190** **Work Code: 009-14-000059** **Est.Cost: 55.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate: **Improvements to Drain, Chain Link Fencing and Construction of Gallery to Play Ground at BEL layout 4th Block near Ganesh Temple Ward No. 09, Vidyaranyapura Sub Division.**

Name of Contractor and Full Address: ***Karnataka Rural Infrastructure Development Limited, # 119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleshwaram, Bangalore - 03.***

Reference to Agreement No. **EE/BTP/BBMP/KRIDL/WO/637/2013-14** **Dated: 05.03.2014**

Certified that the measurements were taken by me on 28/04/2017 and recorded of **Pages** to of measurement Book No. 2493 and that the work is satisfactorily executed. 249275-86

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

**Contractor** **Officer-in-charge of work**

Certified that the measurement were taken by me on 28/4/17 ……and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

**Sub-Division Officer**

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

II Memorandum of Payment

| | | |
|---|---|---|
| 1) | Total value of work done or supplies made as per account within | Total Rs. 5378756-00 |
| 2) | Deduct amount to be held in reserve being ……percent Rs…… | Less Retention Amount 2488547-00 |
| 3) | " Balance | Finally Final Rs: 28,90,209-00 |
| 4) | Deduct Payment: | |
| | a. Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No……..… adjusted towards cash advance recovery of | |
| | b. Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash. | |
| 5) | Balance being unpaid value of work done held in reserve. | |
| 6) | Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments. | |
| 7) | Net amount due to or from Contractor unadjustments items. | |
| 8) | Advance to Contractor for materials brought to site (as detailed) within. | |
| 9) | Value of Government materials supplied. | |
| | Total amount adjusted - | 2530264-00 |

ST 57804-00
VAT - 115608-00
Cess - 28902-00
CBA - 2890-00
LR - 10231-00
FSD - 142710-00
Fine - 1800-00
Adj. 359945-00

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Contractor's Signature

Received Rs…….. (in words)……
……
by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

2,90,209-00
359945-00
2530264-00

(For use in the Office)

Rs: Twenty five Lacks thirty thousand two hundred sixty four only.

Witness
1.
2.

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Dated Signature of Contractor

Paid by me by Cheque No……Dated……
Cash Rs……
Dated……

Stamp

**Initials of Officer making payment** **Executive Engineer**

06/05

| Sl. No. | | Unit |
|---|---|---|
| 1 | **Dismantling size stone masonry** in clay mortar and stacking the size stone within a radius of 50 m and removing the debris to a distance upto 200m, etc complete as per specifications and directions of engineer in charge of the work | cum |
| 2 | **Earth work excavation for foundation of buildings,** water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. etc complete as per specifications and directions of engineer in charge of the work | cum |
| | Qty Above 125% | |
| 3 | Providing and laying in position plain cement concrete of mix **M 7.5 withOPC** cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work | Cum |
| 4 | Providing and **constructing granite / trap / basalt size stone masonry** in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work | cum |
| 5 | Providing and **constructing granite / trap / basalt size stone masonry** in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work | cum |
| | Qty Above 125% | |
| 6 | Providing and laying in position plain cement concrete of mix **M 15 withOPC cement** @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work | cum |
| | Qty Above 125% | |
| 7 | **Providing flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work | sqm |
| | Qty Above 125% | |
| 8 | **Providing and laying cement concrete** using 20mm and down size granite course aggregates and fine aggregates of **ready mixed concrete for R.C.C works** laid in 15cms thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3,with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges) Ready mixed cement concrete for Beams, column, Staircase and Roof with M-20(cement -320 Kg/Cum) etc complete as per specifications and directions of engineer in charge of the work | Cum |
| 9 | **Providing T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 -do- for TMT Bars Fe 415 etc complete as per specifications and directions of engineer in charge of the work | qtl |
| 10 | **Providing and removing centering,** shuttering, strutting, propping etc., and removal of form work for **columns,** pillars, piers, post and struts, circular or curved in plan including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work | sqm |
| 11 | **Providing and removing centering,** shuttering, strutting, propping etc., and removal of form work for sides and soffits of **beams**, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work | sqm |
| 12 | **Providing and removing centering**, shuttering, strutting, propping etc., and removal of form work **for stairs** (excluding landing) except spiral staircase including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work | sqm |
| 13 | Fabricating supplying and erecting **M.S. TubulerTruss of span upto 10m** bottom and top member is provided with 50x50x6mm double equale angles, welded back to back and in between top and bottom line, in ereas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are weldeded togeher with 6mm gusset plate as per drawing, Nos CBS/SD/K- mantap/9/MND/97. The enter truss is anchored in RCC column buy using 4Nos of M.S anchor bolts at eacth support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening , pacing in position of M.S angle and welding wherever necessary, and applying one of red oxide primer coat to all the members including cost of all materials, labour charges,and higher charges of mechineries for cutting welding, granding and erection equipments, etc complete as per specifications and directions of engineer in charge of the work | kgs |

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| 172.80 | 23079.17 | 0.00 | 133.56 | 0.00 | 172.80 | 23079.17 | |
| 130.28 | 19402.60 | 62.57 | 148.93 | 9319.00 | 192.85 | 28721.60 | |
| 0.00 | 0.00 | 59.81 | 188.68 | 11285.00 | 59.81 | 11285.00 | |
| 61.99 | 261063.45 | 15.36 | 4211.38 | 64687.00 | 77.35 | 325750.45 | |
| 101.21 | 398447.58 | 0.00 | 3936.84 | 0.00 | 101.25 | 398447.58 | |
| 176.01 | 916807.93 | 77.97 | 5208.84 | 406133.00 | 253.98 | 1322940.93 | |
| | | 13.64 | 4814.52 | 65670.00 | 13.64 | 65670.00 | |
| 32.97 | 154645.79 | 15.06 | 4690.50 | 70639.00 | 48.03 | 225284.79 | |
| | | 20.22 | 5389.04 | 108966.00 | 20.22 | 108966.00 | |
| 357.00 | 28003.08 | 115.50 | 78.44 | 9060.00 | 472.50 | 37063.08 | |
| | | 84.59 | 97.52 | 8249.00 | 84.59 | 8249.00 | |
| 24.27 | 154074.21 | 38.64 | 6348.34 | 245300.00 | 62.91 | 399374.21 | |
| 24.27 | 175812.85 | 38.64 | 7244.04 | 279910.00 | 62.91 | 455722.85 | |
| 132.24 | 110597.60 | 0.00 | 836.34 | 0.00 | 132.24 | 110597.60 | |
| 0.00 | 0.00 | 153.68 | 239.56 | 36816.00 | 153.68 | 36816.00 | |
| 0.00 | 0.00 | 0.00 | 460.04 | 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | 125.08 | 0.00 | 0.00 | 0.00 | |

| Sl. No. | | Unit |
|---|---|---|
| 14 | Providing Meta color sheet roofing with J or L hooks, bolts and nuts 8mm dia C.I plain and bitumen washers over the existing purlins, rafters and trusses includeing cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work | sqm |
| 15 | Providing **chain link fencing 50mm size of 8 guage** properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts, cutting, bending wherever necessary, wastage and lapping etc complete as per direction of the Engineer-in-charge of work including **two coats of approved quality paint** over one coat of shop paint etc complete as per specifications and directions of engineer in charge of the work | sqm |
| 16 | Supplying and fixing **M.S. Rectangular poles** made out of 2 equal angles of **65x65x6 mm** welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineer-in-charge of the work and including providing **2 coats of approved quality paint** over one coat of shop painting. (excluding cost of earth work and concrete) etc complete as per specifications and directions of engineer in charge of the work | mtr |
| 17 | Providing and fixing **M.S. Block pipe of 38mm dia,** of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including **two coats of approved quality paint** over one coat of shop paint etc complete as per specifications and directions of engineer in charge of the work | Mtr |
| 18 | Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work | sqm |
| 19 | Fabricating, providing and erecting in poiston of **M.S Ornamental security Grill Gate** with out hot dip using75x12mm M.S flat for alround frame work with verticals at the centre and horizontal centere support M.S square of 20x20mm of different heights as shown in the draing are to be fixed at 16 cms c/c for square bars of full height and at 8cmsc/c for bottom rods providg ornamental CI designers at the botom and c I arrows in the middle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drilling holes. The work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat etc complet cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion of the etc complete as per specifications and directions of engineer in charge of the work | kgs |
| 20 | Earth work in surface excavation in ordinary soil for **leveling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed etc complete as per specifications and directions of engineer in charge of the work | cum |
| | EIRL | |
| 21 | Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. | Nos |
| 22 | KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications | Sqm |
| 23 | Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km | Cum |
| | **Total** | |
| | **Add 11% Service charge to KRIDL** | |
| | **Grand Total** | |

**CERTIFICATE**

1. Certified that the above work done satisfactory and no materials issued from departmentally.

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| 0.00 | 0.00 | 0.00 | 1200.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 449.80 | 644.48 | 289887.00 | 449.80 | 289887.00 | |
| 0.00 | 0.00 | 263.90 | 1078.02 | 284489.00 | 263.90 | 284489.00 | |
| 0.00 | 0.00 | 674.70 | 293.62 | 198105.00 | 674.70 | 198105.00 | |
| 0.00 | 0.00 | 108.54 | 47.70 | 5177.00 | 108.54 | 5177.00 | |
| 0.00 | 0.00 | 0.00 | 145.22 | 0.00 | 432.00 | 0.00 | |
| 0.00 | 0.00 | 1680.00 | 124.02 | 208354.00 | 1680.00 | 208354.00 | |
| | | | | | | | |
| 0.00 | 0.00 | 400.00 | 320.76 | 128304.00 | 400.00 | 128304.00 | |
| 0.00 | 0.00 | 143.92 | 1018.44 | 146574.00 | 143.92 | 146574.00 | |
| 0.00 | 0.00 | 252.66 | 106.34 | 26868.00 | 252.66 | 26868.00 | |
| | **2241934.25** | | | **2603792.00** | | **4845726.25** | |
| | **246612.77** | | | **286417.12** | | **533029.89** | |
| | **2488547.02** | | | **2890209.12** | | **5378756.14** | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97